



UNE Call Flows: Massachusetts, New York, Pennsylvania

September 2000

 **WORLDCOM**

Per Call Local Switching Costs



<u>Call Type</u>	Revised			
	<u>MA</u>	<u>MA</u>	<u>NY</u>	<u>PA</u>
Intra EO	\$0.0548	\$0.0274	\$0.0179	\$0.0205
Inter EO - Direct	\$0.0708	\$0.0715	\$0.0534	\$0.0215
Inter EO Tandem	\$0.0708	\$0.0715	\$0.0534	\$0.0215
Total Switching*	\$15.83	\$14.57	\$10.60	\$5.02
Port Charge	\$4.49	\$4.49	\$2.50	\$1.90

* Includes switching and transport costs on LD/LATA minutes and local minutes per line per month.

- MA Switching was revised to reflect the following changes
 - Switching only once on intra-EO calls vs twice, per the DTE's 09/07/2000 order. Resulted in ~\$1.37 lower switching cost/month.
 - Slight revision in call flow methodology - one switching charge and one shared trunk port charge were replaced with one recip comp charge. Resulted in ~\$0.10 higher switching cost/month.

Local Call Flows Modeled



	Intra-EO <u>Call</u>	Inter-EO <u>Direct or Tandem Call</u>
a. WCOM Local to Verizon	1a	2a
b. Verizon Local to WCOM Local	1b	2b
c. WCOM Local to WCOM Local OR to CLEC Local	1c	2c
d. CLEC Local to WCOM Local	1d	2d

- For each scenario, cost is modeled for one 6-minute call.
- Cost of Inter-EO tandem call in these markets is equal to cost of Inter-EO direct-routed call since local common transport charge includes tandem charges.
- All call flows reflect UNE-P CLECs, not facilities CLECs.

UNE Switching Calculation



<u>Local Call Type</u>	Verizon <u>MA</u>	Verizon <u>NY</u>	Verizon <u>PA</u>
Intra-EO (25%)	1 Switching	1 Switching	1 Switching - Orig 1 Switching - Term
Inter-EO Direct (50%)	1 Switching 1 Common Transport 1 Signaling 1 Recip Comp	2 Switching 1 Shared Trunk Port 1 Common Transport 1 Signaling	1 Switching - Orig 1 Switching - Term 1 Common Transport
Inter-EO Tandem (25%)	1 Switching 1 Common Transport 1 Signaling 1 Recip Comp	2 Switching 1 Shared Trunk Port 1 Common Transport 1 Signaling	1 Switching - Orig 1 Switching - Term 1 Common Transport

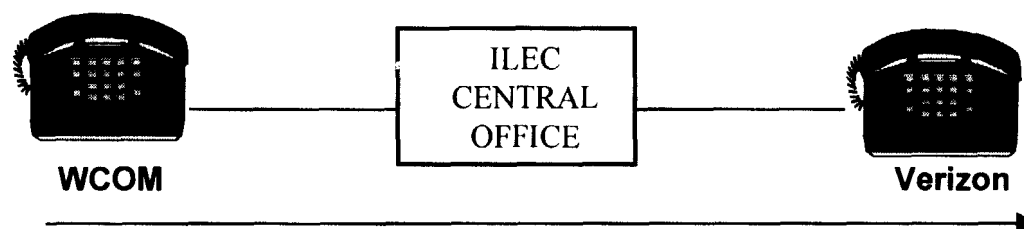
Intra-EO Local Calls: Massachusetts



- Local Call:

1a.) WCOM ORIGINATING:

WCOM Local to Verizon



WCOM Pays ILEC:

Originating Side Telco

Terminating Side Telco

Unbundled Local Switching (ULSC)

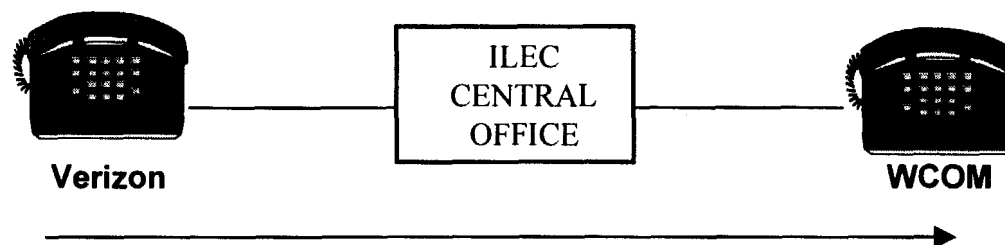
\$0.0045648 (rpm)

N/A

Total Telco (WCOM pays to Verizon) = \$0.0274

1b.) TERMINATING TO WCOM:

Verizon Local to WCOM Local



WCOM Pays ILEC:

Originating Side Telco

Terminating Side Telco

No charges billed to WCOM, no revenue received.

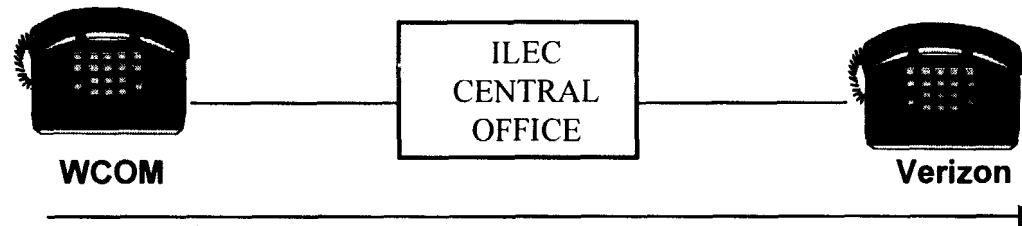
Intra-EO Local Calls: New York



- Local Call:

1a.) WCOM ORIGINATING:

WCOM Local to Verizon



WCOM Pays ILEC:

Originating Side Telco

Terminating Side Telco

Unb. Local Switching (ULSC)

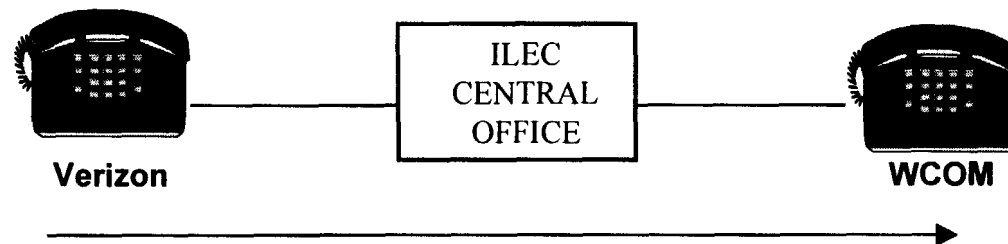
\$0.0029855 (rpm)

N/A

Total Telco (WCOM pays to Verizon) = \$0.0179

1b.) TERMINATING TO WCOM:

Verizon Local to WCOM Local



WCOM Pays ILEC:

Originating Side Telco

Terminating Side Telco

No charges billed to WCOM, no revenue received.

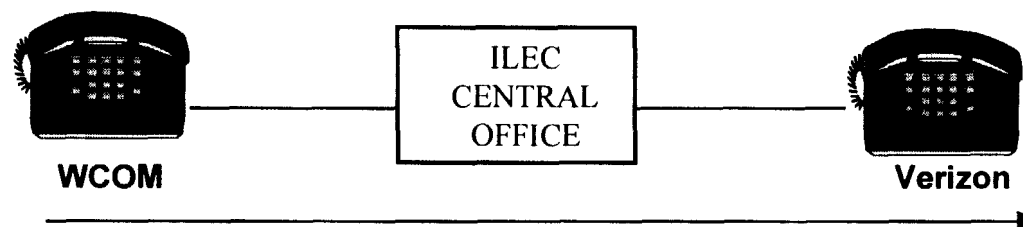
Intra-EO Local Calls: Pennsylvania



- Local Call:

1a.) WCOM ORIGINATING:

WCOM Local to Verizon



WCOM Pays ILEC:

Originating Side Telco

Terminating Side Telco

Unb. Local Switching (ULSO+ULST)

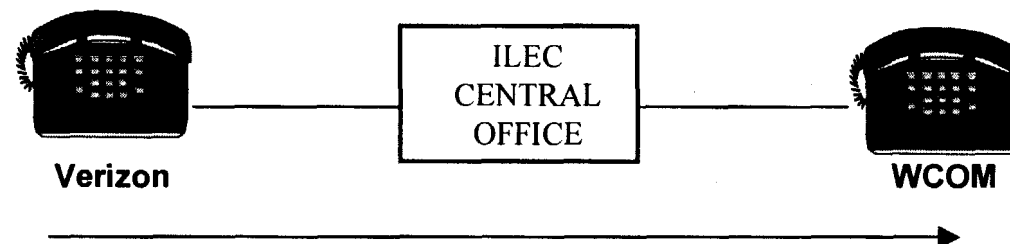
\$0.0018020 (rpm)

\$0.0016150 (rpm)

Total Telco (WCOM pays to Verizon) = \$0.0205

1b.) TERMINATING TO WCOM:

Verizon Local to WCOM Local



WCOM Pays ILEC:

Originating Side Telco

Terminating Side Telco

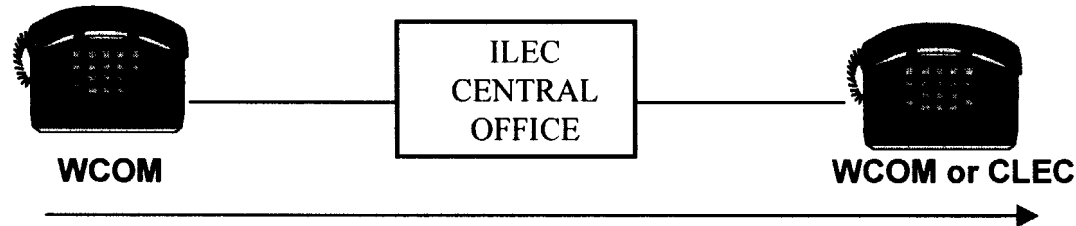
No charges billed to WCOM, no revenue received.

Intra-E0 Local Calls: Massachusetts



- Local Call:

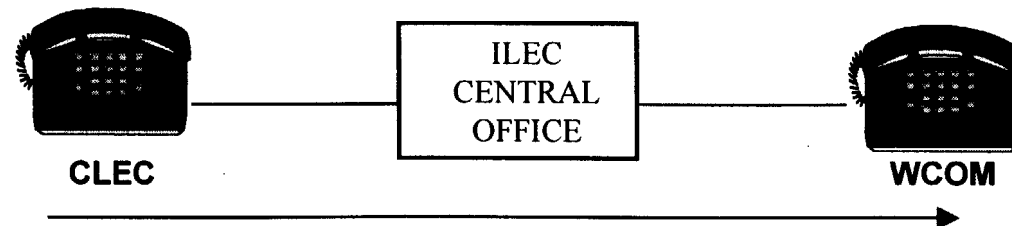
1c.) WCOM ORIGINATING: WCOM Local to WCOM Local OR to CLEC Local



<u>WCOM Pays ILEC:</u>	<u>Originating Side Telco</u>	<u>Terminating Side Telco</u>
Unbundled Local Switching (ULSC)	\$0.0045648 (rpm)	N/A
Total Telco (WCOM pays to Verizon) = \$0.0274		

1d.) TERMINATING TO WCOM:

CLEC Local to WCOM Local



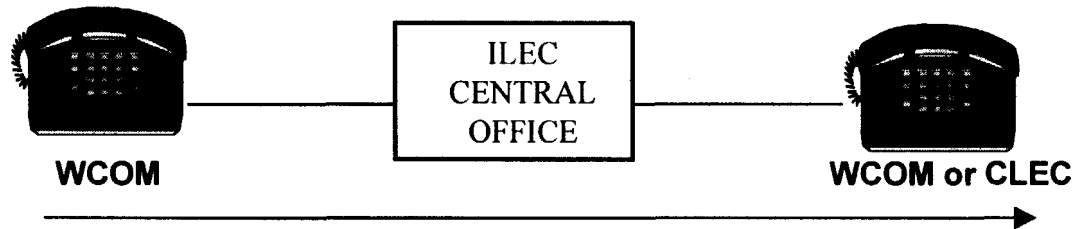
<u>WCOM Pays ILEC:</u>	<u>Originating Side Telco</u>	<u>Terminating Side Telco</u>
No charges billed to WCOM, no revenue received.		

Intra-EO Local Calls: New York



- Local Call:

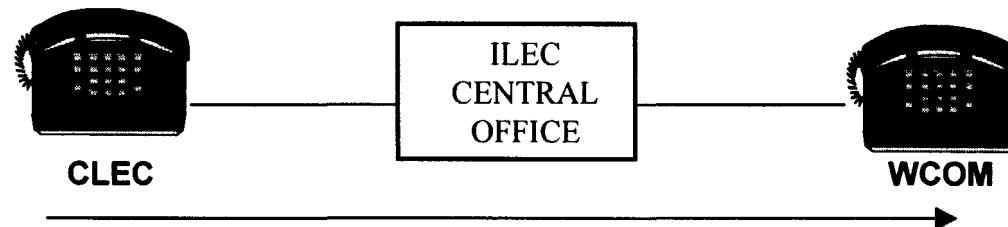
1c.) WCOM ORIGINATING: WCOM Local to WCOM Local OR to CLEC Local



<u>WCOM Pays ILEC:</u>	<u>Originating Side Telco</u>	<u>Terminating Side Telco</u>
Unb. Local Switching (ULSC)	\$0.0029855 (rpm)	N/A
Total Telco (WCOM pays to Verizon) = \$0.0179		

1d.) TERMINATING TO WCOM:

CLEC Local to WCOM Local



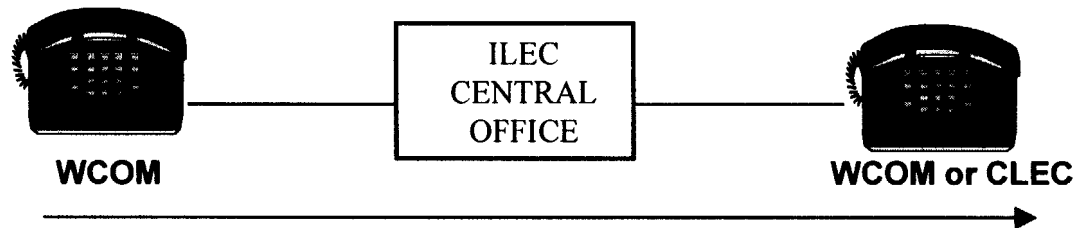
<u>WCOM Pays ILEC:</u>	<u>Originating Side Telco</u>	<u>Terminating Side Telco</u>
No charges billed to WCOM, no revenue received.		

Intra-EO Local Calls: Pennsylvania



- Local Call:

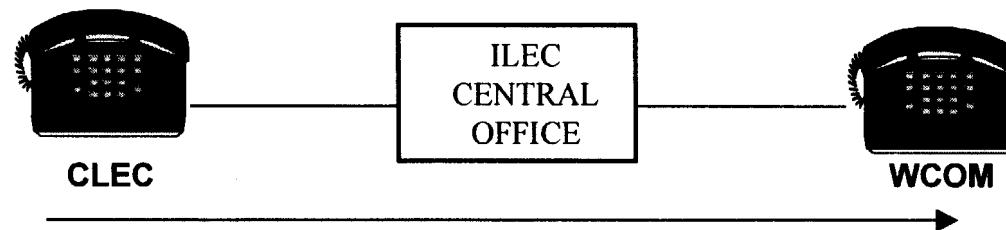
1c.) WCOM ORIGINATING: WCOM Local to WCOM Local OR to CLEC Local



<u>WCOM Pays ILEC:</u>	<u>Originating Side Telco</u>	<u>Terminating Side Telco</u>
Unb. Local Switching (ULSO+ULST)	\$0.0018020 (rpm)	\$0.0016150 (rpm)
Total Telco (WCOM pays to Verizon) = \$0.0205		

1d.) TERMINATING TO WCOM:

CLEC Local to WCOM Local



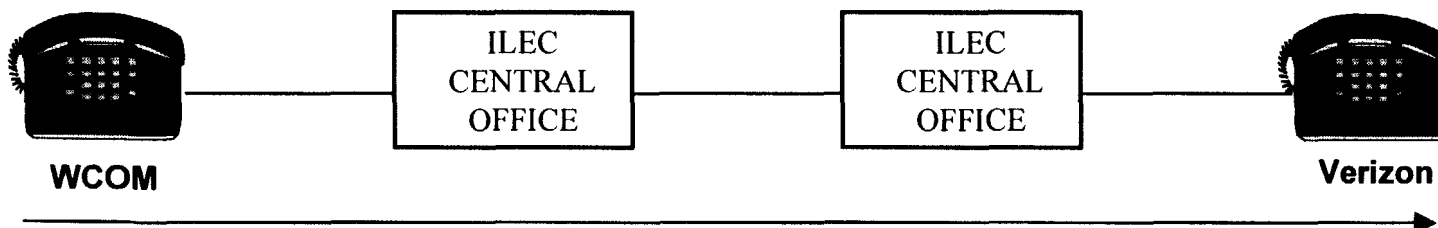
<u>WCOM Pays ILEC:</u>	<u>Originating Side Telco</u>	<u>Terminating Side Telco</u>
No charges billed to WCOM, no revenue received.		

Inter-EO Local Call(Direct or Tandem): Massachusetts

- Local Call:

2a.) WCOM ORIGINATING:

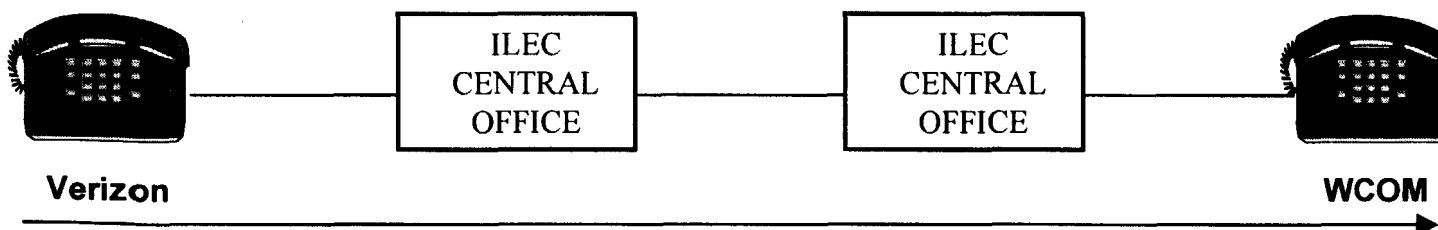
WCOM Local to Verizon Local



<u>WCOM Pays ILEC:</u>	<u>Originating Side Telco</u>	<u>Terminating Side Telco</u>
Local Switching (ULSC)	\$0.0045648 (rpm)	N/A
Common Transport (ULCTC)	\$0.0017180 (rpm)	N/A
SS7 Signaling (UIC)	\$0.0001850 (rpc)	N/A
Reciprocal Comp	N/A	\$0.0056000 (rpm)
Total Telco (WCOM pays to Verizon) = \$0.0379		
Total Reciprocal Comp (WCOM pays to Verizon) = \$0.0336		

2b.) TERMINATING TO WCOM:

Verizon Local to WCOM Local



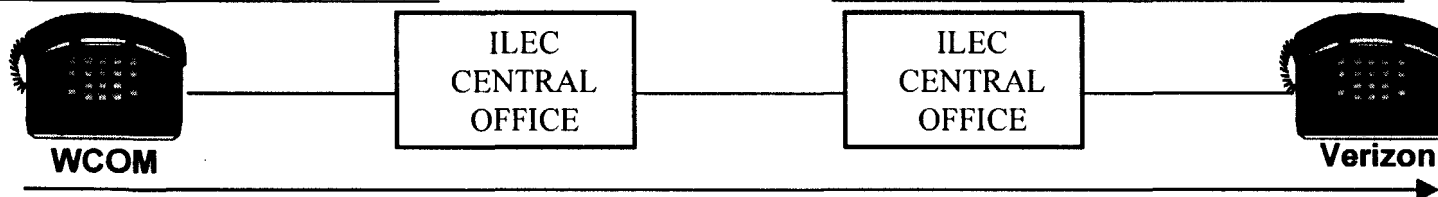
<u>WCOM Pays ILEC:</u>	<u>Originating Side Telco</u>	<u>Terminating Side Telco</u>
No charges billed to WCOM, no revenue received.		

Inter-EO Local Call(Direct or Tandem): New York

- Local Call:

2a.) WCOM ORIGINATING:

WCOM Local to Verizon Local



WCOM Pays ILEC:

Originating Side Telco

Terminating Side Telco

Local Switching (ULSC)

\$0.0029855 (rpm)

\$0.0029855 (rpm)

Trunk Port (USTPC)

N/A

\$0.0006011 (rpm)

Common Transport (ULCTC)

\$0.0022797 (rpm)

N/A

SS7 Signaling (UIC)

\$0.0002970 (rpc)

N/A

Reciprocal Comp

N/A

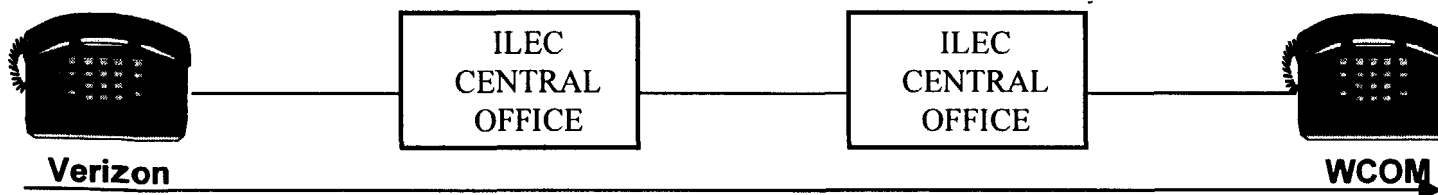
N/A

Total Telco (WCOM pays to Verizon) = \$0.0534

Total Reciprocal Comp (WCOM pays to Verizon) = \$0.0000 (As per Interconnection Agreement)

2b.) TERMINATING TO WCOM:

Verizon Local to WCOM Local



WCOM Receives from ILEC:

Originating Side Recip Comp

Terminating Side Recip Comp

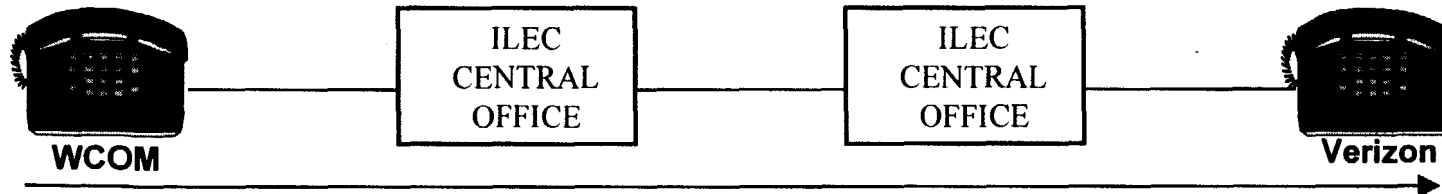
No charges billed to WCOM, no revenue received.

Inter-EO Local Call(Direct or Tandem): Pennsylvania

- Local Call:

2a.) WCOM ORIGINATING:

WCOM Local to Verizon Local



WCOM Pays ILEC:

Originating Side Telco

Terminating Side Telco

Local Switching (ULSO+ULST)	\$0.0018020 (rpm)	\$0.0016150 (rpm)
Trunk Port (USTPC)	N/A	N/A
Common Transport (UCTPM+UCTF)*	\$0.0001740 (rpm)	N/A
SS7 Signaling (UIC)	N/A	N/A
Reciprocal Comp	N/A	\$0.0018640 (rpm)

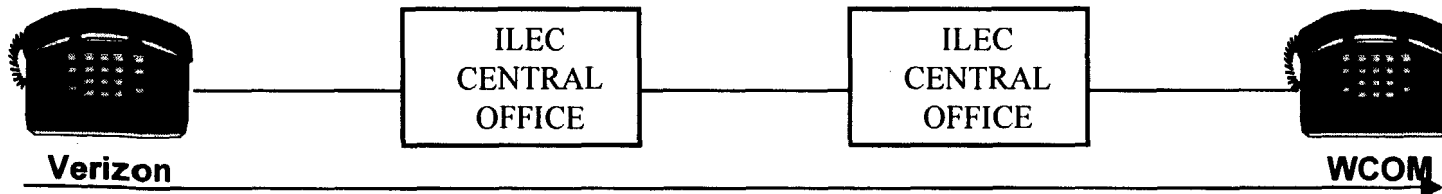
Total Telco (WCOM pays to Verizon) = \$0.0215

Total Reciprocal Comp (WCOM pays to Verizon) = \$0.0112

* Common Transport per minute rate: \$.000144 and per mile rate: \$.000003 (Assumes 10 facility miles.)

2b.) TERMINATING TO WCOM:

Verizon Local to WCOM Local



WCOM Receives from ILEC:

Originating Side Recip Comp

Terminating Side Recip Comp

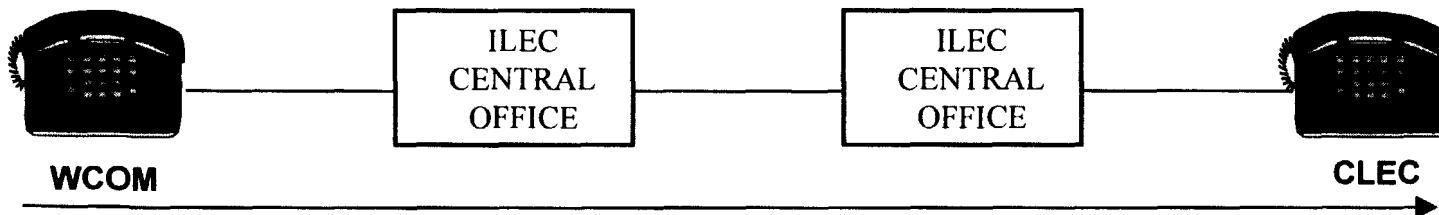
Reciprocal Comp	N/A	\$0.0018640 (rpm)
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Total Reciprocal Comp (WCOM receives from Verizon) = \$0.0112

Inter-EO Local Call(Direct or Tandem): Massachusetts

- Local Call:

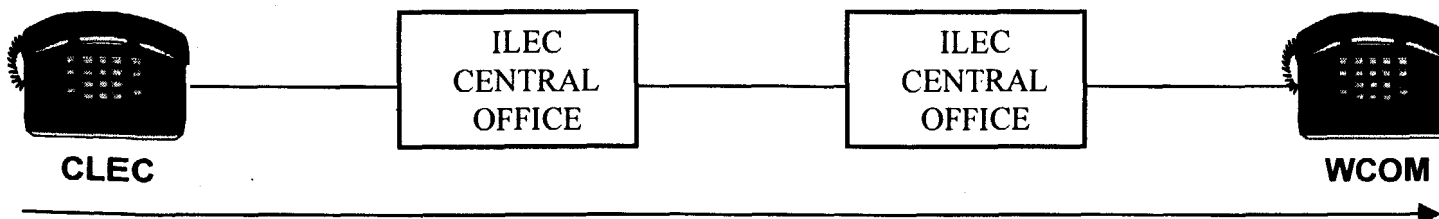
2c.) WCOM ORIGINATING: WCOM Local to WCOM Local OR to CLEC Local



<u>WCOM Pays ILEC:</u>	<u>Originating Side Telco</u>	<u>Terminating Side Telco</u>
Local Switching (ULSC)	\$0.0045648 (rpm)	N/A
Common Transport (ULCTC)	\$0.0017180 (rpm)	N/A
SS7 Signaling (UIC)	\$0.0001850 (rpc)	N/A
Reciprocal Comp	N/A	\$0.0056000 (rpm)
Total Telco (WCOM pays to Verizon) = \$0.0379		
Total Reciprocal Comp (WCOM pays to Verizon) = \$0.0336		

2d.) TERMINATING TO WCOM:

CLEC Local to WCOM Local



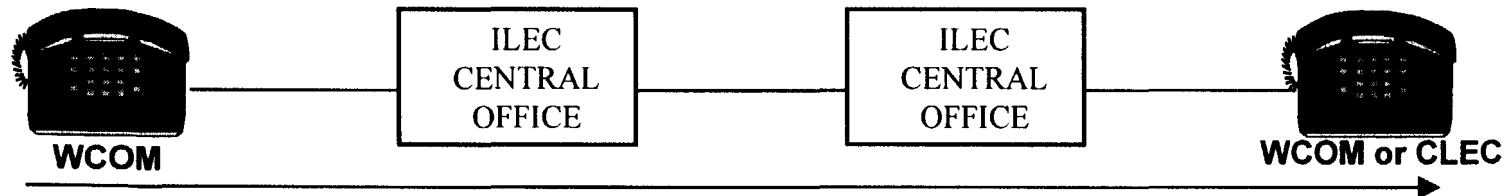
<u>WCOM Pays ILEC:</u>	<u>Originating Side Telco</u>	<u>Terminating Side Telco</u>
No charges billed to WCOM, no revenue received.		

Inter-EO Local Call(Direct or Tandem): New York

- Local Call:

2c.) WCOM ORIGINATING:

WCOM Local to WCOM Local OR to CLEC Local



WCOM Pays ILEC:

Originating Side Telco

Terminating Side Telco

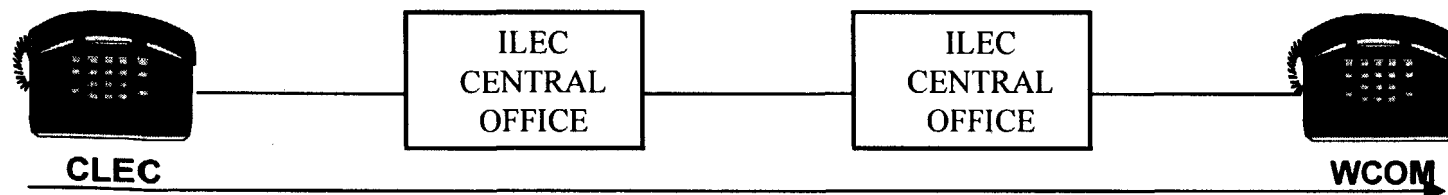
Local Switching (ULSC)	\$0.0029855 (rpm)	\$0.0029855 (rpm)
Trunk Port (USTPC)	N/A	\$0.0006011 (rpm)
Common Transport (ULCTC)	\$0.0022797 (rpm)	N/A
SS7 Signaling (UIC)	\$0.0002970 (rpc)	N/A
Reciprocal Comp	N/A	N/A

Total Telco (WCOM pays to Verizon) = \$0.0534

Total Reciprocal Comp (WCOM pays to Verizon) = \$0.0000 (As per Interconnection Agreement)

2d.) TERMINATING TO WCOM:

CLEC Local to WCOM Local



WCOM Receives from ILEC:

Originating Side Recip Comp

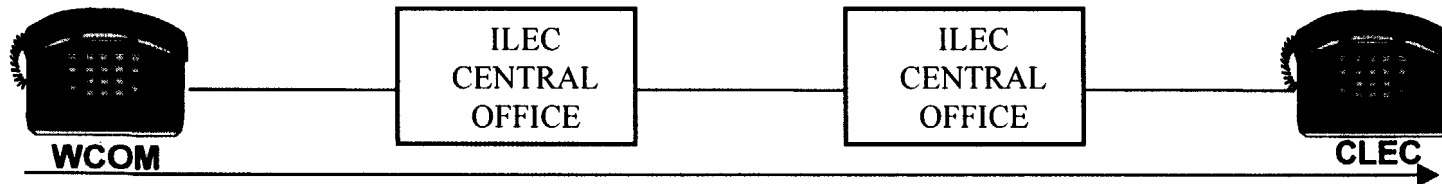
Terminating Side Recip Comp

No charges billed to WCOM, no revenue received.

Inter-EO Local Call(Direct or Tandem): Pennsylvania

- Local Call:

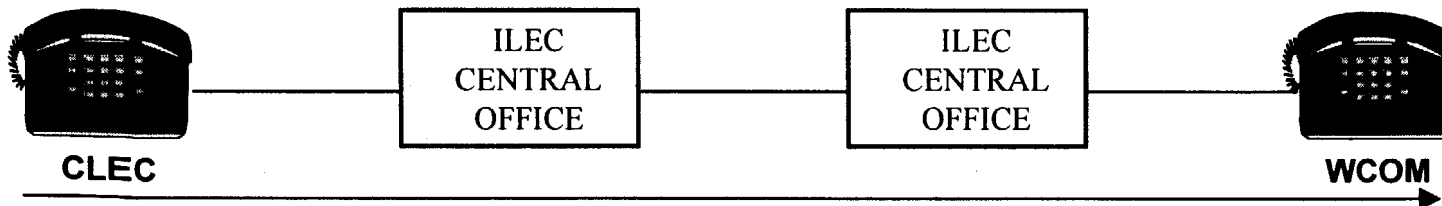
2c.) WCOM ORIGINATING: WCOM Local to WCOM Local OR to CLEC Local



<u>WCOM Pays ILEC:</u>	<u>Originating Side Telco</u>	<u>Terminating Side Telco</u>
Local Switching (ULSO+ULST)	\$0.0018020 (rpm)	\$0.0016150 (rpm)
Trunk Port (USTPC)	N/A	N/A
Common Transport (UCTPM+UCTF)*	\$0.0001740 (rpm)	N/A
SS7 Signaling (UIC)	N/A	N/A
Reciprocal Comp	N/A	\$0.0018640 (rpm)
Total Telco (WCOM pays to Verizon) = \$0.0215		
Total Reciprocal Comp (WCOM pays to Verizon) = \$0.0112		
* Common Transport per minute rate: \$.000144 and per mile rate: \$.000003 (Assumes 10 facility miles.)		

2d.) TERMINATING TO WCOM:

CLEC Local to WCOM Local



<u>WCOM Receives from ILEC:</u>	<u>Originating Side Recip Comp</u>	<u>Terminating Side Recip Comp</u>
Reciprocal Comp	N/A	\$0.0018640 (rpm)
Total Reciprocal Comp (WCOM receives from Verizon) = \$0.0112		

Follow-ups



- WorldCom and Z-Tel to meet with Verizon to confirm call flow assumptions and rates.
- Awaiting confirmation on applicable charges on terminating end of inter-EO calls for New York.



Appendix

Massachusetts Blended Rate Calculation



<u>Cell Density</u>	<u>% HH</u>
Metro	2.0%
Urban	28.0%
Suburban	63.0%
Rural	7.0%
Total	100.0%

Peak	50%
Off-Peak	50%

	<u>Blend</u>	<u>Metro</u>	<u>Urban</u>	<u>Suburban</u>	<u>Rural</u>
<u>Port Charge</u>	\$4.49	\$5.52	\$5.00	\$3.95	\$6.96
<u>Unbundled Local Switching</u>	<u>Blend</u>	<u>Metro</u>	<u>Urban</u>	<u>Suburban</u>	<u>Rural</u>
Peak	\$0.0059538	\$0.0046470	\$0.0051810	\$0.0062070	\$0.0071390
Off-Peak	\$0.0031758	\$0.0018720	\$0.0024610	\$0.0034330	\$0.0040930
Blend	\$0.0045648	\$0.0032595	\$0.0038210	\$0.0048200	\$0.0056160
<u>Unbundled Local Common Transport</u>	<u>Blend</u>	<u>Metro</u>	<u>Urban</u>	<u>Suburban</u>	<u>Rural</u>
Peak	\$0.0028090	\$0.0028090	\$0.0028090	\$0.0028090	\$0.0028090
Off-Peak	\$0.0006270	\$0.0006270	\$0.0006270	\$0.0006270	\$0.0006270
Blend	\$0.0017180	\$0.0017180	\$0.0017180	\$0.0017180	\$0.0017180
<u>Signaling</u>	\$0.0001850				
<u>Unb Tel Comp Recip Comp</u>	\$0.0056000				

New York Blended Rate Calculation



<u>Time of Day</u>	<u>Weight</u>
Day	60%
Evening	30%
Night/Weekend	10%

Unbundled Local Switching (ULSC)

Day	\$0.0038060
Evening	\$0.0018370
Night/Weekend	\$0.0015080
Blend	\$0.0029855

Unbundled Common Transport Charge (ULCTC)

Day	\$0.0031410
Evening	\$0.0012100
Night/Weekend	\$0.0003210
Blend	\$0.0022797

Unbundled Shared Trunk Port Charge (USTPC)

Day	\$0.0008790
Evening	\$0.0002140
Night/Weekend	\$0.0000950
Blend	\$0.0006011

<u>Signaling</u>	\$0.0002970
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